BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:-Development of Parks and Providing Childrens Playing Equipments in Judidicial Layout and GKVK Layout in Ward no 04

Est Cost: =150.00 Lakhs

	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2 (P.No.138, I.No.18.11 of PW, P&IWTD SR 2018-19)									
1	Park	Sqm								
	MIG Park 4		0.5	30.00	135.00		2025.00			
							2025.00	10.60	21465.00	
	Basic rate	10.00								
	Area Weightage 6%	0.60								
	Total	10.60								
	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.143, I.No.19.1 of PW, P&IWTD SR 2018-19)									
	Park	Cum								
	MIG Park 4		1	260.00	3.00	0.20	156.00			
2	Platform For Benches		22	2.50	1.50	0.30	24.75			
	Gym equipment area		1	12.00	10.00	0.40	48.00			
	Children Play area		2	14.00	18.00	0.30	151.20			
	Basic rate	130.00					379.95	211.79	80468.85	
	Loading and unloading with	69.80								
	Area Weightage 6%	11.99								
	Total	211.79								
	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs. with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. MORTH Specification No. 2100 (P.No.222, I.No.27.18 of PW,P&IWTD S.R 2018-19)									
	For Kerb Stones	Cum								
3	For Benches		2	260.00	0.20	0.10	10.40			
	Children Play area kerb stone		22	2.50	1.50	0.150	12.38			
	Gym equipment kerb stone		2	64.00	0.20	0.10	2.56			
	Gym equipment area		2	44.00	0.20	0.10	1.76			
			1	12.00	10.00	0.15	18.00			
	A.Basic rate	5115.00					45.10	5421.90	244500.58	
	B.Area Weightage 6%	306.90								
	Total	5421.90								
	KSRB 4-1.6 , Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.No.12, I.No. 4.6 of PW, P&IWTD SR2016-17)									
4	For Benches	Cum								
	mass concrete for fixing equipments		65	0.60	0.75	0.60	17.55			
	A.Basic rate	5441.00					17.55	5876.28	103128.71	
	B.Area Weightage 6%	435.28								
	Total	5876.28								

SHRIYA CONSTRUCTION AND CONSULTANCY

2. ಮುಖ್ಯ ಲೇಕ್ಕಾಧಿಕಾರಿಗಳು, ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ರವರ ಮಾಹಿತಿಗಾಗಿ ಕಳುಹಿಸಿದ.
3. ಕಛೇರಿ ಕಡತಕ್ಕೆ.

5	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm. (P No 112, I No.14.61.2 of PW,P&IWTD S.R 2018-19)									
	Flooring slab									
	Granite stone around Bench	Sqm	22	2.50	1.50	--	82.50			
			22	8.00	0.30	--	52.80			
	A.Basic rate	1979.00								
	B.Area Weightage 6%	118.74					135.30	2097.74	283824.22	
	Total	2097.74								
6	KSRRB M400-19: Construction of Median and island above road level with approved material deposited from borrowpits, spread, sloped and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No.407 (P No155 of I No.20.20 in PW,P&IWTD SR 2018-19)									
	Park	cum								
	Prak 4									
	For Benches		1	260.00	3.00	0.30	234.00			
			1	2.50	1.50	0.20	0.75			
	A.Basic rate	209.00					234.75	221.54	52006.52	
	B.Area Weightage 6%	12.54								
	Total	221.54								
7	Supplying and Fixing of Garbage bins rectangular with permanent structure series without arch 100litre capacity approved by Engineer in charge									
	Garbage Bins	No's					8.00			
							8.00	18450.00	147600.00	
	Approved Data Rate	18450.00								
8	**Executive bench** made out of sadaralli grey stone with hand suport 3 line finishing with arch desiagn with 100cm slabs height 90% length 45cms (data approved rate)									
	Stone Benches	No's	22				22			
							22	18200.00	400400.00	
	Approved Data Rate	18200.00								
9	KSRRB M400-17: Providing, laying, spreading and compacting graded stones aggregate to Wet Mix Macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mix method of tipper to site,Laying in uniform layers with paver in subbase/base course on the well prepared surface and compacting with vibratory rollers to achive the desired density complete as per MORTH specification No. 406.etc with all lead and lifts and as per directions of the Engineer-in-charge(Page No:155 Item No: 20.18, of KPWD SR Bangalore Circle 2018-19)									
	Park	cum								
	Park 1		1	260.00	3.00	0.15	117.00			
							117.00	2001.28	234149.76	
	A.Basic rate	1888.00								
	B.Area Weightage 6%	113.28								
	Total	2001.28								
10	KSRB 14.6-1: Providing & laying heavy duty cobble stones 60mm thick interlock pavers,using cement & course sand for manufacture of blocks of approved size ,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (Avg thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS (P No 103 of I No.14.6 in PW,P&IWTD SR 2018-19)									
		Sqm								
	Park 4		1	260	3.00	--	780.00			
							780.00	1116.18	870620.40	
	Basic rate	1053.00								
	Area Weightage 6%	63.18								
	Total	1116.18								

11	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. (P No 27 of I No.5.30 in PW,P&IWTD SR 2018-19)									
	Park 4	No.								
			2	260.00		/0.45	520.00			
	Gym equipment area		2	44.00		/0.45	88.00			
	Children Play area kerb stone		2	64.00		/0.45	128.00			
							736.00	432.48		318305.28
	Basic rate	408.00								
	Area Weightage 6%	24.48								
	Total	432.48								
12	KSRRB 800-1 Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No.180. litem no.24.1 of KPWD S.R Bangalore Circle 2018-2019)									
	Park Fencing	Sqm								
	Park 4		2	260.00		0.35	182.00			
	Gym equipment area		2	44.00		0.35	30.80			
	Children Play area kerb stone		4	64.00		0.35	89.60			
							302.40	84.80		25643.52
	Basic rate	80.00								
	Area Weightage 6%	4.80								
	Total	84.80								
13	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint (P.No 266 of I No.37.3 in PW,P&IWTD SR 2018-19)									
	Chain Link Fencing for Missing and Damaged Length	Sqm								
	Park 1		30	2.40	1.80		129.60			
	Park 2		20	2.40	2.40		115.20			
	Park 3		20	2.40	1.80		86.40			
	Park 4		36	2.40	1.80		155.52			
							486.72	757.90		368885.09
	Basic rate	715.00								
	Area Weightage 6%	42.90								
	Total	757.90								
14	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary. nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) (P.No 266 of I No.37.2 in PW,P&IWTD SR 2018-19)									
	Rectangular Pole	M								
	Park 1		18	2.10			37.80			
	Park 2		12	2.70			32.40			
	Park 3		12	2.10			25.20			
	Park 4		20	2.10			42.00			
							137.40	910.54		125108.20
	Basic rate	859.00								
	Area Weightage 6%	51.54								
	Total	910.54								
	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint (P.No.266 I No.37.4 of PW,P&IWTD SR of 2018-19)									
	Horizontal Pipe for Chain Link Fencing									

2. ಮುಖ್ಯ ಲೆಕ್ಕಾಧಿಕಾರಿಗಳು, ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ರವರ ಮಾಹಿತಿಗಾಗಿ ಕಳುಹಿಸಿದ.
3. ಕಛೇರಿ ಕಡತಕ್ಕೆ.

Park 3									
Park 4			30	2.00	2.40		144.00		
			20	3.00	2.40		144.00		
Basic rate			20	2.00	2.40		96.00		
Area Weightage 6%			36	2.00	2.40		172.80		
Total	408.00						556.80	432.48	240804.86
	24.48								
	432.48								

16 Fabricating, providing and erecting in position Hot dip galvanized Gate. Using 72 x 72 x 4.8mm Sq. G I Pipe Frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanized sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot do galvanized forged ornamental design in between rods and heads at top, middle and bottom. Intermediate supports of 75x12mm and 50X6mm arch bent to hot dip galvanized flats. the work is inclusive of throughing GI, flat GI Sqm. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials Like G I Sq. GI Pipe, GI Forged designs etc., heavy duty hinges are made out of 75mm sold sq. block assembled with 20mm du bearing in three places for each flop. Heavy duty locking arrangement of low places including cost of labour, painting, erection charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineering charge of the work.

Park 1,2,3 & 4	Sqm							
		6	2.50		2.10	31.50		
Data Rate	12475.03					31.50	12475.03	392963.45

17 KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complate as per specifications.(P 120/ 1.15.74 PW,P & IWTD SR - 2018-19)

Painting of Metal Surface	Sqm							
old Chain Link Fencing painting								
Park Fencing								
Park 1		1	620.00	1.80		1116.00		
Park 2		1	660.00	2.40		1584.00		
Park 3		1	254.00	1.80		457.20		
Park 4		1	280.00	1.80		504.00		
Deduct for New Chainlink Fencing								
Park 1		-30	2.40	1.80		-129.60		
Park 2		-20	2.40	2.40		-115.20		
Park 3		-20	2.40	1.80		-86.40		
Park 4		-36	2.40	1.80		-155.52		
						3174.48	100.70	319670.14
	95.00							
Basic rate	5.70							
Area Weightage 6%	100.70							
Total								

WATER RECHARGE PITS

18 KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications, specification No. KBS 2.1(b) / 2.3.5. Page No. 6 / Item No. 2.4 of PWD SR 2018-19

Main Pit	Cum	32	142x1.3x1.3		3.00	127.44		
			4			127.44	588.38	74983.48
Basic Rate	449.00							
Add loading and unloading Charges It No 17.1 KSRRB M 100-1	68.00							
Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
	555.08							
Area Weightage @ 6%	33.30							
Total	588.38							

SHRIKA CONSTRUCTION AND CONSULTANCY

	KSRRB M2900-2.2. KSRRB M2900-2.1 Laying Reinforced cement concrete pipe NP4 / prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets complete as per specifications. MORTH Specification No. 2900 B. 1200 mm dia MORTH Specification No. 2900 Pag No, 254, Item No. 34.3, PWD SR 2018-19								
	Rain Water Racharging Pits	m	32	3.00			96.00		
							96.00	10753.70	1032355.20
	Basic Rate	10145.00							
	Area Weightage @ 6%	608.70							
	Total	10753.70							
	KSRB 2.8 Providing and Filling in foundation with granite / trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift complete as per specifications. specification No. KBS Page No. 7 / Item No. 2.15 of PWD SR 2018-19								
20	Rain Water Racharging Pits	Cum	32	142x1.0x1.0		0.45	11.31		
							11.31	2574.74	29123.40
	Basic Rate	2429.00							
	Area Weightage @ 6%	145.74							
	Total	2574.74							
	0734 - Providing Aggregate 53 mm nominal size (P.I / I. 24) PWD SR 2018-19								
		Cum							
21	Rain Water Racharging Pits Inside the Ring		32	142x1.0x1.0		0.45	11.31		
	Outside the Ring		32	142x1.0x3.0		0.45	135.73		
							147.05	1054.29	155028.71
	0750 - Providing Aggregate 40 mm nominal size (P.II / I. 25) PWD SR 2018-19								
		Cum							
22	Rain Water Racharging Pits		32	142x1.0x1.0		0.45	11.31	1091.43	12345.38
	0749 - Providing Aggregate 20 mm nominal size (P.II / I. 28) PWD SR 2018-19								
23		Cum							
	Rain Water Racharging Pits		32	142x1.0x1.0		0.45	11.31	1091.43	12345.38
	0334 - Providing sand / Artifical Sand / Manufactured sand (P.II / I. 49) PWD SR 2018-19								
24		Cum							
	Rain Water Racharging Pits		32	142x1.0x1.0		0.30	7.54	1591.43	12000.66
	PLAY AND GYM EQUIPMENT								
25	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (P No-112,I No-14.62)								
	Gym equipment area	1	12.00	10.00		120.00			
						120.00	Sqm	1305.92	156710.40
	Basic Rate Rs. =	1232.00							
	Add 6% A.W Rs. =	73.92							
	Total Rate Rs. =	1305.92							
26	KSRRB 2.6 Providing and filling sand in trenches to required depth including watring ramming with all leads and lift complete as per specifications and directed by the engineer incharge at the site (P-7 I N-2 13 SR 2018-19)								
	Children Play area	2	14.00	18.00	0.30	151.20			
						151.20	Cum	2183.60	330160.32
	Basic Rate Rs.=	2060.00							
	Add 6% A.W Rs. =	123.60							
	Total Rate Rs. =	2183.60							
							Total "A"		6044597.50

SHRIYA CONSTRUCTION AND CONSULTANCY

2. ಮುಖ್ಯ ಲೆಕ್ಕಾಧಿಕಾರಿಗಳು, ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ರವರ ಮಾಹಿತಿಗಾಗಿ ಕಳುಹಿಸಿದ.
3. ಕಛೇರಿ ಕಡತಕ್ಕೆ.

	fixing of Arm & Pedal Bike : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 830 MM x 500MM x 1450 MM. Capacity 1 person. Inclusive of All Taxes and Transportation Charges. (Data approved rate)								
		2				2.00			
	Data Rate	212500.00				2.00	Each	212500.0	425000.00
28	**Supply & fixing of Elliptical Cross Trainer**: All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 845 MM x 865 MM x 1710 MM. Capacity 1 person. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
		2				2.00			
	Data Rate	175000.00				2.00	Each	175000.0	350000.00
29	**Supply & fixing of Pull Down Challenger** : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 2570 MM x 840 MM x 2200 MM. Capacity 2 persons. Inclusive of All Taxes and Transportation Charges(Data approved rate)								
		2				2.00			
		2				2.00			

SHRIYA CONSTRUCTION AND CONSULTANCY

						2.00	Each	287500.0	575000.00
	Data Rate	287500.00							
30	**Supply & fixing of Self Weighted Rower** : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 1390 MM x 805 MM x 1198 MM. Capacity 1 person. Inclusive of All Taxes and Transportation Charges (Data approved rate)									
		2				2.00			
						2.00	Each	206250.0	412500.00
	Data Rate	206250.00							
31	**Supply & fixing of HD Double Health Walker** : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out in excess of at least 50 public park projects in India either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Footplates made of alloys of Nylon having good thermal stability. Internal Limited means no bump stops or crush points. Bearings : Maintenance-free ball bearings. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 2015 MM x 615 MM x 1360 MM. Capacity 2 persons. Inclusive of All Taxes and Transportation Charges. (Data approved rate)									
		2				2.00			
						2.00	Each	296000.0	592000.00
	Data Rate	296000.00							
32	**Supply & fixing of HD Waist Twister** :All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out in excess of at least 50 public park projects in India either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Footplates made of alloys of Nylon having good thermal stability. Internal Limited means no bump stops or crush points. Bearings : Maintenance-free ball bearings. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 1460 MM x 1310 MM x 1150 MM. Capacity 3 persons. Inclusive of All Taxes and Transportation Charges. (Data approved rate)									
		2				2.00			
	Data Rate	162500.00				2.00	Each	162500.0	325000.00

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2. ಮುಖ್ಯ ಲೆಕ್ಕಾಧಿಕಾರಿಗಳು, ಬೃಹತ್ ಬಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ರವರ ಮಾಹಿತಿಗಾಗಿ ಕಳುಹಿಸಿದೆ.
3. ಕಛೇರಿ ಕಡತಕ್ಕೆ.

	...g and installation of a three person body twister station: Size -131 X 100 X 133CM. that consists of three swivel stands that rotates but with a built in safety limitor that meets international safety standards as the arms and shoulders of the user are held square in the overhead hold that is fixed to a monolithic large arc tube center pillar without convex sides & minimal deformation ergonomically curved. The Center pillar has an OD of 89 mm, the wall thickness is min 3 mm & has a 8mm thick, 40cm gusset support at standard height of 1.4m. All fasteners to be of 304 stainless, Torx Anti Vandal Fasteners, All nuts enclosed in Polyamide Anti Vandal Caps. Finishing to be Metalized / Plasma zinc injection + Dupont/Alexta outdoor use color powder electrostatic coating. Safe Zone 430 X 400 CM. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
		2							
	Data Rate	234574.00				2.00			
						2.00	Each	234574.0	469148.00
34	**Supply & fixing of Tai Chi Spinners :** All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Bearings Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 1150 MM x 1120 MM x 1620 MM . Capacity 2 persons. Inclusive of All Taxes and Transportation Charges (Data approved rate)								
		1				1.00			
						1.00	Each	143750.0	143750.00
	Data Rate	143750.00							

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35	**Supply & fixing of HD Sit Up Station :** All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scallopedrimer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630 safety norms. Scope of delivery : 1 completely pre-assembled equipment modules. Maintenance : Maintain according to EN16630 and the maintenance guide. Size (L*W * H) 1365 MM x 1335 MM x 700 MM. Capacity 2 persons. Inclusive of All Taxes and Transportation Charges. (Data approved rate)									
		1				1.00			
						1.00	Each	156250.0	156250.00
	Data Rate	156250.00							
36	**Fixing and Installation of a Foot Cycle :** Size - 97 X 45 X 133 CM, that has a central pin which connects the 2 heavy flywheels & which has 2 main bearings and in addition has a TEFLON RESISTANCE BEARING which locks the pin and creates resistance to the spin. The central pillar is a monolithic large arc tube without convex sides & minimal deformation which is ergonomically curved with an OD of 89 mm, the wall thickness is min 3 mm & has a 8mm thick, 40cm gusset support at standard height of 1.4m. All fasteners to be of 304 stainless, Torx Anti Vandal Fasteners. All nuts enclosed in Polyamide Anti Vandal Caps. Finishing to be Metalized / Plasma zinc injection + Dupont/Alexta outdoor use color powder electrostatic coating. The seat must consist of PU Polysafe cushions seats. Safe Zone : 247 X 195 CM. Inclusive of All Taxes and Transportation Charges									
		1				1.00			
						1.00	Each	245891.0	245891.00
	Data Rate	245891.00							
37	Supply and fixing of children Multi Play Equipment. Upright structural posts of height 2.35 m , 3.0 m and 3.25 m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. Handrail of height 2.20 m and Dia 32 mm shall be an all-robotic welded unit, fabricated from 32 O.D. galvanized steel pipes with a baked on powder coating finish. Snake Ladder Climber of size 0.99 m x 0.62 m x 1.20 m with thickness of Dia 38 mm. Piped walls of Height 2.6 m are all robotic welded fabricated from 32 O.D. galvanized steel pipes for the outer pipes and 25mm O.D. galvanized steel for the inner parallel bars with a baked on powder coat finish. crab Roof of size 1.9 m x 1.7 m x 0.77m, Sun Roof of size 2.0 m x 1.78 m x 0.77m, Straight slide 2.28 m x 0.83 m x 1.20 m , Spiral Slide of size 2.22 m x 1.60 m x 1.5 m, Rock climber of size 1.03 m x 0.70 m x 1.20 m Panel. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges									
		2				2.00			
						2.00	Each	1498900.0	2997800.00
	Data Rate	3879484.00							
38	**Supply and fixing of children Play Equipment Fiero A Swing :** Shaped structural posts of height 2.31 m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. Plastic Components such as swing seats [super thick plastic] shall be animated and shall be rotationally molded from antistatic, copolymer, virgin linear low density UV stabilized polyethylene, with color molded in and minimum thickness of 6 - 8mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges. (Data approved rate)									
		2				2.00			
						2.00	Each	126892.0	253784.00
	Data Rate	126892.00							
39	**Supply and fixing of children Play Equipment Two seater seesaw :** The See Saw consists of 2 poles of Dia 114mm and thickness of 2.5mm which balances the horizontal rod at the center which is of size 3110 mm length and Dia 114 mm. It consists of 2 seats which is made of LLDPE virgin plastic of size 305mm X 213 mm X 125 mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges. (Data approved rate)									
		4				4.00			
						4.00	Each	83478.0	333912.00

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	Data Rate	83478.00							
								Total Amount B	7280035.00

	Total Amount A	6044597.50
	Total Amount B	7280035.00

A+B		1,33,24,632.50
GST 12% ON Total A		7,25,351.70
DPR 1 %		1,40,499.84
PMC 1 %		1,40,499.84
ADD Tender Premium 5%		6,66,231.63
Miscellaneous and unforeseen charges		2,784.49
Grand Total		1,50,00,000.00

Certificate.

1 The rates adopted based on the PWD SR, Bangalore circle for year 2018-19.
2 The provisions made in the estimate are necessary and essential.
3 The workspot was inspected and work is found to be necessary.
4 The area comes within the Bruhat Bangalore Mahanagara Palike limits.

Assistant Engineer | Assistant Executive Engineer | Executive Engineer

Technical Sanction
Accorded For Rs 150 Lakhs
Head of A/C 3283
CER NO :112 Dt 19.11.20

AE | CE (NK)

SHRIVAA CONSTRUCTION AND CONSULTANCY

Administrative Sanction for Rs. 150.00 Lakhs
Rupees One Crore fifty lakhs
only
is accorded under head 3283
Development of Roads in 19-01-03
Local
Registered as CE No. 99
to conditions contained in enclosed memo
No BBMP/CE(NK)/AS/ 99/20-21 dt 20/03/21

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Additional Development works to Parks at Sandeep Unnikrishnan Road in Attur Ward no 03.

Est Cost: =200.00 Lakhs

Sl. No.	Description of work	Unit	No.	Length m	Breadth m	Depth m	Quantity	Rate in Rs.	Amount in Rs.
1	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2 (P.No.138, I.No.18.11 of PW. P&IWTD SR 2018-19)								
	Park	Sqm							
	Park Area1		1.0	105.00	8.00		840.00		
	Park Area2		1.0	60.00	13.00		780.00		
	Park Area3		1.0	45.00	19.00		855.00		
	Park Area4		1.0	103.00	8.50		875.50		
	Park Area5		1.0	410.00	9.00		3690.00		
	Park Area6		0.5	55.00	11.00		302.50		
				778.00					
							7343.00	10.60	77835.80
	Basic rate	10.00							
	Area Weightage 6%	0.60							
	Total	10.60							
2	Removal of Unserviceable Soil with Disposal KSRRB M300-19. Removal of unserviceable soil including excavation, loading and disposal but excluding replacement by suitable soil which shall be paid separately as per clause 300.5 complete as per specifications. MORTH Specification No. 301(Page No.144 Item No 19.20 of KPWD S.R 2018-19)								
	Removal of Debris	Cum							
	Big Lump		2	6.00	6.00	3.00	216.00		
	Other Lumps		10	3.00	5.00	2.00	300.00		
	Broken Concrete laying in Park 5 and 6		2	28.00	4.50	0.25	63.00		
	Rate Analysis						579.00	34.98	20253.42
	Basic Rate in Rs.	33.00							
	Add 6% Area Weightage	1.98							
	Total Rate in Rs.	34.98							
3	KSRB15-3.9 .Providing 20mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.								
	Plastering								
	Park Area5		1.0	420.00	2.65		1113.00		
	Park Area6		1.0	55.00	2.55		140.25		
	For Tree Planter Box								
	Big Size Trees		30	2.70	1.20		97.20		
	Medium Sized Trees		100	2.40	1.20		288.00		
		Sqm			Total Qnty		1638.45	269.24	441136.28
	Rate Analysis								
	Basic Rate in Rs.	254.00							
	Add 6% Area Weightage	15.24							
	Total Rate in Rs.	269.24							

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4	15.105 Providing Texturedpaint of approved quality, colour and shade to wall surface after cleaning and rubbing the wall surface with wire brush of medium size emery stone to remove all the loosely adhering particles the surface is then cleaned with water and ensured that it is in line and level . The textured material is then mixed with 40-50% of clean water until and homogenous thick slurry is formed the slurry is formed the slurry is left for 5-10 min to react completly with ingredients. The texture finish prepared as above is then applied to the wall surface with suitable roller/ spray/ gun/putty blade trowl to get the desired finish. The finished surface shall applied with two coats of external paint of approved shade> The rate includes providing and removing Scaffolding all lead and lift aand all other incidential charges etc. Complete as per directions of engineer in charge of the Work.								
	Plastering								
	Park Area5		1.0	420.00	2.65		1113.00		
	Park Area6		1.0	55.00	2.55		140.25		
		Sqm				Total Qnty	1253.25	465.34	583187.36
	Rate Analysis								
	Basic Rate in Rs.	439.00							
	Add 6% Area Weightage	26.34							
	Total Rate in Rs.	465.34							
5	KSRRB M300-1. **Earth work excavation by manual means** in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.143, I.No.19.1 of PW, P&IWTD SR 2018-19)								
		Cum							
	Drain De Silting								
	Park Area1		1.0	105.00	0.70	0.60	44.10		
	Park Area2		1.0	60.00	0.70	0.60	25.20		
	Park Area3		1.0	45.00	0.70	0.45	14.18		
	Park Area4		1.0	103.00	0.70	0.45	32.45		
	Park Area5		1.0	410.00	0.70	0.40	114.80		
	Park Area6		0.5	55.00	0.70	0.25	4.81		
	For Kerb Stones		2.0	778.00	2.00	0.20	622.40		
	Pathway								
	Park 1 to 6		2	780.00	2.00	0.20	624.00		
	For Shoulder Drains Park 1 to 6 (15m interval)								
	(778/15)= 52		52	12.00	0.60	0.40	149.76		
	For Cobble Stone Beside Road		1	800.00	2.50	0.20	400.00		
	For Tree Planter Box								
	Big Size Trees		30	2.70	0.60	0.40	19.44		
	Medium Sized Trees		100	2.40	0.60	0.40	57.60		
							2108.73	211.79	446604.24
	Basic rate	130.00							
	Loading and unloading with 5km lead= 57+2.0x1.28x5 = 69.80	69.80							
	Area Weightage 6%	11.99							
	Total	211.79							
6	KSRRB M200 -19.1 **Dismantelling of existing structures** like culvert, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T& P and scaffolding wherever necessary sorting the dismantelled material, disposal of unserviceable material and stacking the servicebale material, with all lifts complete as per specification Scrapping of stones from dismantelled stone masonry in cement mortor (KSRRB M200 19.1, It No.18.38 P No. 139,140)								
	For RCC Drain	CUM							
	Damaged / Weak Portion								
	Consider 15% of Total Length		778.00	*15%					
	Bottom Slab		1	116.7	0.2	1.5	35.01		
	Sides		2	116.7	0.45	1.2	126.04		
							161.05	844.18	135951.81

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	Basic Rate Rs. =	723.00							
	Add 6% A.W Rs. =	43.38							
	Sub Total =	766.38							
	8Km Lead, Loading and Unloading =(2*1.3*8)+57	77.80							
	Total Rate Rs. =	844.18							

7	KSRB-4-1.3 Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4 1.4.2,P No. 13/ Item No. 4.3/ PWD SR 2018-19								
	Bed Concrete	Cum							
	For Cobble Stone								
	Park 1 to 6		1	780.00	2.00	0.10	156.00		
	Pathway beside Road		1	800	2.5	0.1	200.00		
	For Tree Planter Box								
	Big Size Trees		30	2.70	0.60	0.10	4.86		
	Medium Sized Trees		100	2.40	0.60	0.10	14.40		
						Total Qnty	375.26	5408.12	2029451.11
	Basic rate	5102.00							
	Area Weightage 6%	306.12							
	Total	5408.12							
8	KSRB 4-1.2 Providing and laying in position plain cement concrete of mix **1:3:6 with OPC cement** @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour HOM of machinery, curing complete as per specifications. Specification No. KBS 4 1. 4.2. (P.No. 12/I.No. 4.2 of CSR 2015-16)								
	Bed Concrete	Cum							
	RCC Drain Bottom		1	116.7	1.65	0.15	28.88		
	Coping Concrete For Drain		2	116.7	0.45	0.1	10.50		
	For Kerb Stones		2	778.00	0.2	0.1	31.12		
	For Tree Planter Box DPC								
	Big Size Trees		30	2.70	0.60	0.10	4.86		
	Medium Sized Trees		100	2.40	0.60	0.10	14.40		
	Basic rate	5194.00				Total Qnty	89.77	5505.64	494220.66
	Area Weightage 6%	311.64							
	Total	5505.64							
9	Providing and laying in position plain/Reinforced cement concrete **M20** for sub-structure/Superstructure works, with cement @ 320 kgs,20mm & down size graded granite metal course aggregate at 0.69 cum and fine aggregates @ 0.46 cum machine mixed with super plasticizers @ 3 its confirming to IS 9103-2008, concrete layed in layers, well compacted and providing weep holes whemever neccesary with neccesary scaffoldings, from work etc., including cost of labour, HOM curing etc., complete (Page No 257 I No 34 17 of KPWD S.R 2018-2019)								
		Cum							
	For Shoulder Drains Park 1 to 6 (15m interval)								
	(778/15)= 52		52	12.00	0.60	0.15	56.16		
						Total Qnty	56.16	5277.74	296397.88

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	Rate Analysis								
	Basic Rate in Rs.			4,979.00					
	Add 6% Area Weightage			298.74					
	Total Rate in Rs.			5,277.74					
10	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lesser than 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 ; as per IS 2572:2005 including cost of materials, labour charges,scaffolding ,curing complete as per specifications. KBS No.5.4 (Page No.27. I No 5.27.2 of KPWD S.R 2018-2019)								
	For Shoulder Drains Park 1 to 6 (15m interval)	Cum							
	(778/15)= 52*2		104	12.00	0.20		249.60		
	For Tree Planter Box								
	Big Size Trees		30	2.70	1.00		81.00		
	Medium Sized Trees		100	2.40	1.00		240.00		
					Total Qnty		570.60	1010.18	576408.71
	Rate Analysis								
	Basic Rate in Rs.			953.00					
	Add 6% Area Weightage			57.18					
	Total Rate in Rs.			1,010.18					
11	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)								
	For Shoulder Drains Park 1 to 6 (15m interval)	Cum							
	(778/15)= 52		52	12.00	0.60		374.40		
					Total Qnty		374.40	2337.00	874972.80
	Rate Analysis								
	Data Rate			2,337.00					
12	KSRRB M300-18. Wrought iron and mild steel welded work (using angles, square bars, tees and channel grills, grating frames, gates and tree guards of any size and design etc. including cost of screens and welding rods or bolts and nuts complete fixed in position but without the cost of excavation and concrete for fixing which will be paid separately complete as per specifications. (Page No.150. I No.19.97 of KPWD S.R 2018-2019)								
	For Shoulder Drains Park 1 to 6 (15m interval)	Quintal							
	(778/15)= 52		52			0.11	5.51		
					Total Qnty		5.51	7618.22	41991.63
	Rate Analysis								
	Basic Rate in Rs.			7,187.00					
	Add 6% Area Weightage			431.22					
	Total Rate in Rs.			7,618.22					
13	Providing and fixing for flooring **20mm thick gang saw** water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm. (P.No 112. I No.14.61.2 of PW,P&IWTD S.R 2018-19)								
		Sqm							
	For Tree Planter Box Top								
	Big Size Trees		30	2.70	0.30		24.30		
	Medium Sized Trees		100	2.40	0.30		72.00		
							96.30	2097.74	202012.36
		1979.00							
	A.Basic rate	118.74							
	B.Area Weightage 6%	2097.74							
	Total								

14	**Providing full nosing for 20mm thick granite slab** using required machinery including cost and convey ance of all materials,labour for all items of work,HOM etc., complete as per specification. (P 111/1.14.55 PW,P&IWTD,BENGALURU CIRCLE-SR 2018 -19)								
	For Tree Planter Box Top						162.00		
	Big Size Trees	(30*2)	60	2.70			480.00		
	Medium Sized Trees	(100*2)	200	2.40					
							642.00	286.20	183740.40
	A.Basic rate	270.00							
	B.Area Weightage 6%	16.20							
	Total	286.20							
15	KSRB 5.2-2 : Providing and constructing **granite / trap / basalt size stone masonry** in foundation with cement mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13								
		Cum							
	Basement		1	116.7	1.7	0.2	39.68		
	RCC Drain Bottom		2	116.70	0.45	1.20	126.04		
	RCC Drain Sides								
	For Tree Planter Box								
	Big Size Trees		30	2.70	0.60	0.40	19.44		
	Medium Sized Trees		100	2.40	0.60	0.40	57.60		
					Total Qnty		242.75	4763.64	1156392.66
	Basic rate	4494.00							
	Area Weightage 6%	269.64							
	Total	4763.64							
16	Providing and Fixing pre cast covering **Slab 250mm thick** made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery loading, unloading, lead and lift,transportation etc ,complete As per Engineer incharge								
		Sqm							
	Damaged Portion								
	Consider 23% of Total Length		778.00	*23%					
	Top Slab		1	178.94	1.5		268.41		
							268.41	5,418.00	1454245.38
	Data Rate	5418							
17	KSRB 14.6-1 Providing & laying **heavy duty cubble stones** 60mm thick interlock pavers,using cement & course sand for manufacture of blocks of approved size ,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (Avg thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS (P.No 103 of I.No.14.6 in PW,P&IWTD SR 2018-19)								
	Parks	Sqm							
	Parks 1 to 6		1	780.00	2.00		1560.00		
	Pathway beside Road		1	800	2.5		2000.00		
							3560.00	1116.18	3973600.80
	Basic rate	1053.00							
	Area Weightage 6%	63.18							
	Total	1116.18							
	5.29(b) Providing and fixing pre cast solid cement concrete **kerb stones** made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete. Page No. 27/ Item No. 5.30/ PWD SR 2018-19								

SHRIYA CONSTRUCTION AND CONSULTANCY

	Park								
	Park Area1	Nos							
	Park Area2		2	105			466.67		
	Park Area3		2	60			266.67		
	Park Area4		2	45			200.00		
	Park Area5		2	103			457.78		
	Park Area6		2	410			1822.22		
	Beside Road		2	55			244.44		
			1	40.00			40.00		
							3497.78		
18	Data Rate						7772.84	477	3707644.44
	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No.180. Item no.24.1 of KPWD S.R Bangalore Circle 2018-2019)								
	Park	Nos							
	Park Area1		2	105		0.35	73.50		
	Park Area2		2	60		0.35	42.00		
19	**Park Area3**		2	45		0.35	31.50		
	Park Area4		2	103		0.35	72.10		
	Park Area5		2	410		0.35	287.00		
	Park Area6		2	55		0.35	38.50		
	Beside Road		1	840.00		0.35	294.00		
							838.60	84.80	71113.28
	Basic rate	80.00							
	Area Weightage 6%	4.80							
	Total	84.80							

SHRIYA CONSTRUCTION AND CONSULTANCY

								Total Amount	1,67,67,161.02
								GST 12% ON Total A	20,12,059.32
								DPR 1 %	1,87,792.20
								PMC 1 %	1,87,792.20
								ADD Tender Premium 5%	8,38,358.05
								Miscellaneous and unforeseen charges	6,837.20
								Grand Total	2,00,00,000.00

Certificate.

1 The rates adopted based on the PWD SR, Bangalore circle for year 2018-19.
2 The provisions made in the estimate are necessary and essential.
3 The workspot was inspected and work is found to be necessary
4 The area comes within the Bruhat Bangalore Mahanagara Palike limits.

Assistant Engineer | Assistant Executive Engineer | Executive Engineer

Technical Sanction
Accorded For Rs. 2,00,00,000/- Lakhs only
Head of A/C. P-3753.....
CER NO : 1H.3..... Dt: 2-11-2020

SHAILA CONSTRUCTION AND CONSULTANCY

Rupees Two Crore Only] 200.00 Lakhs

P-3753

Development of Parks in W-01

03 &04

103

No:BBMP/EE/WM/AS/103/2021 | 9/03/21